

FIG. 1

115-002  
2-10

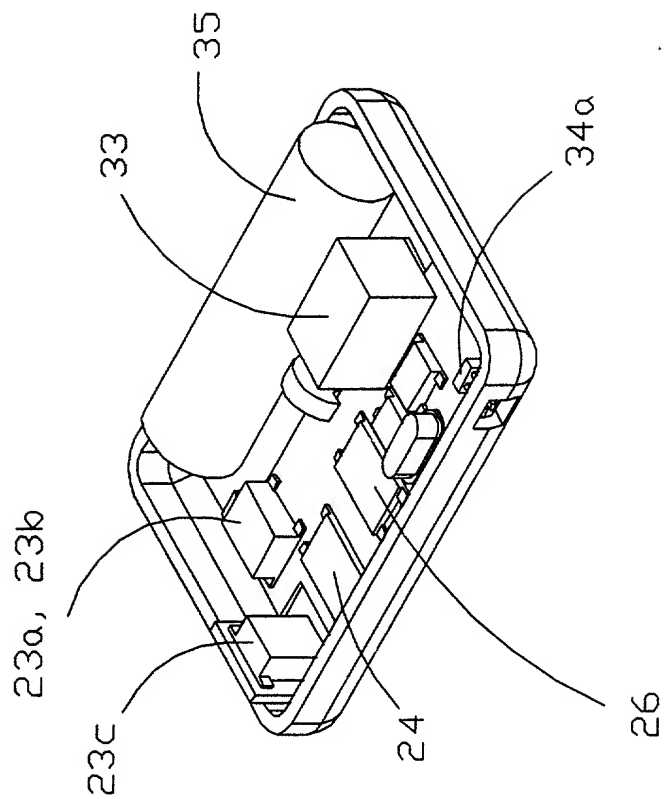


FIG. 2a

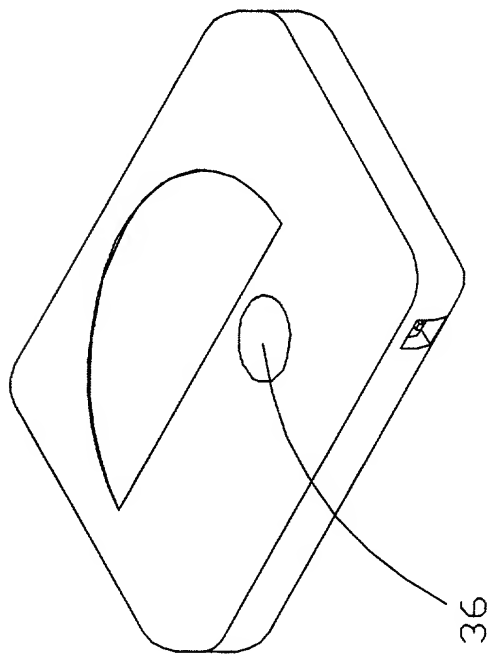
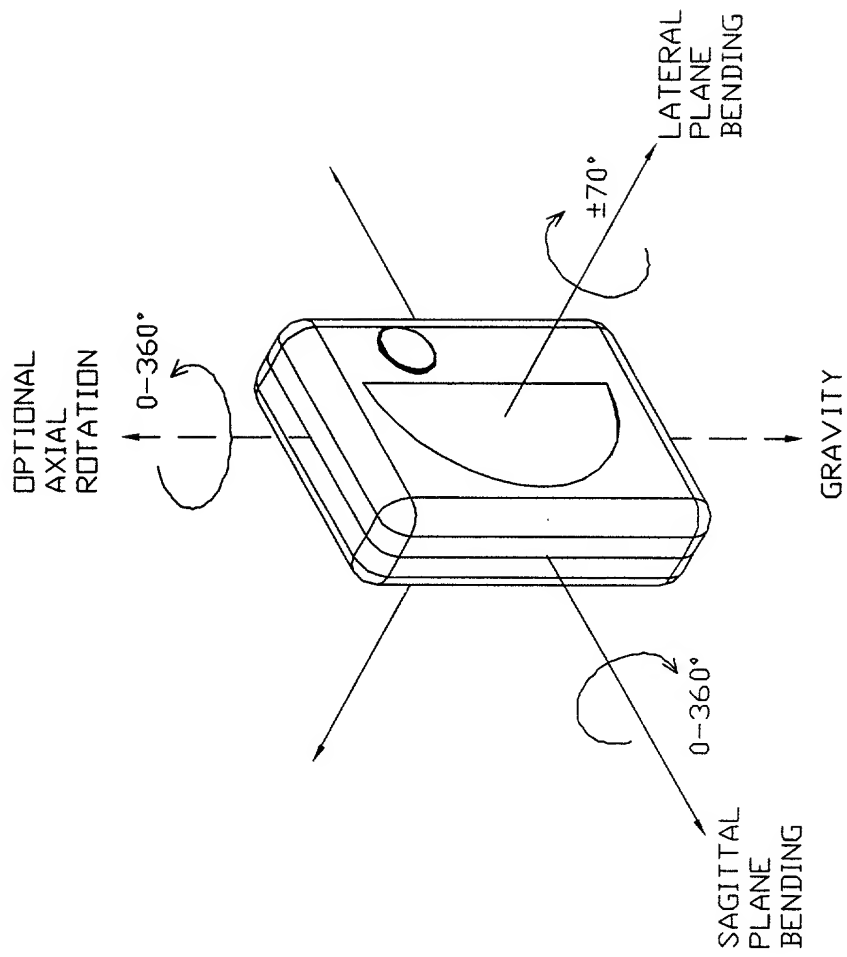


FIG. 2b



**FIG. 3**

$$\begin{aligned} a_x &= (a_{xrow} - a_{xoffset}) * a_{xgain} & 41 \\ a_y &= (a_{yrow} - a_{yoffset}) * a_{ygain} & 42 \\ a_z &= (a_{zrow} - a_{zoffset}) * a_{zgain} & 43 \\ \theta_y &= \arctan \frac{a_x}{a_z} & 44 \\ \theta_x &= \arctan \frac{a_y}{\sqrt{a_x^2 + a_z^2}} & 45 \end{aligned}$$

FIG. 4a

$$\begin{aligned} m_x &= (m_{xrow} - m_{xoffset}) * m_{xgain} & 71 \\ m_y &= (m_{yrow} - m_{yoffset}) * m_{ygain} & 72 \\ m_z &= (m_{zrow} - m_{zoffset}) * m_{zgain} & 73 \\ m'_y &= m_y * \cos \theta_x + m_z * \sin \theta_x & 74 \\ m'_z &= m_z * \cos \theta_x + m'_y * \sin \theta_x & 75 \\ m'_x &= m_x * \cos \theta_y + m'_z * \sin \theta_y & 76 \\ \theta_z &= \arctan(m'_x / m'_y) & 77 \end{aligned}$$

FIG. 4c

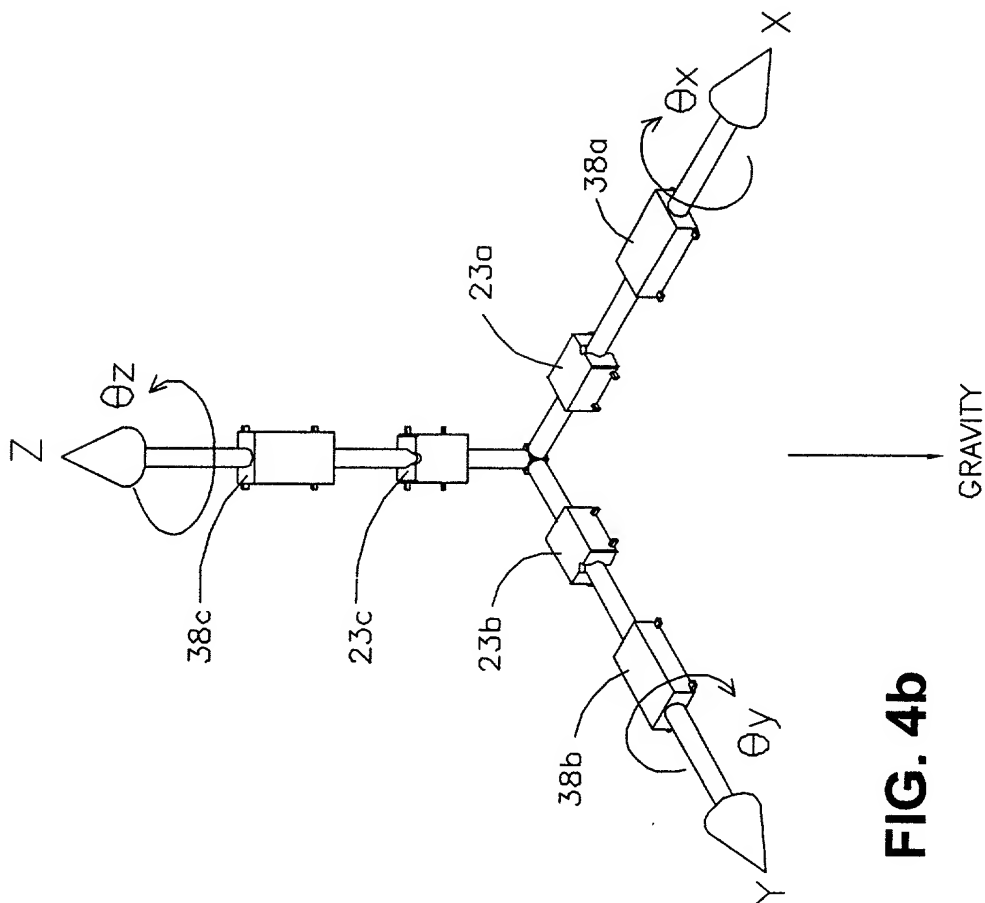


FIG. 4b

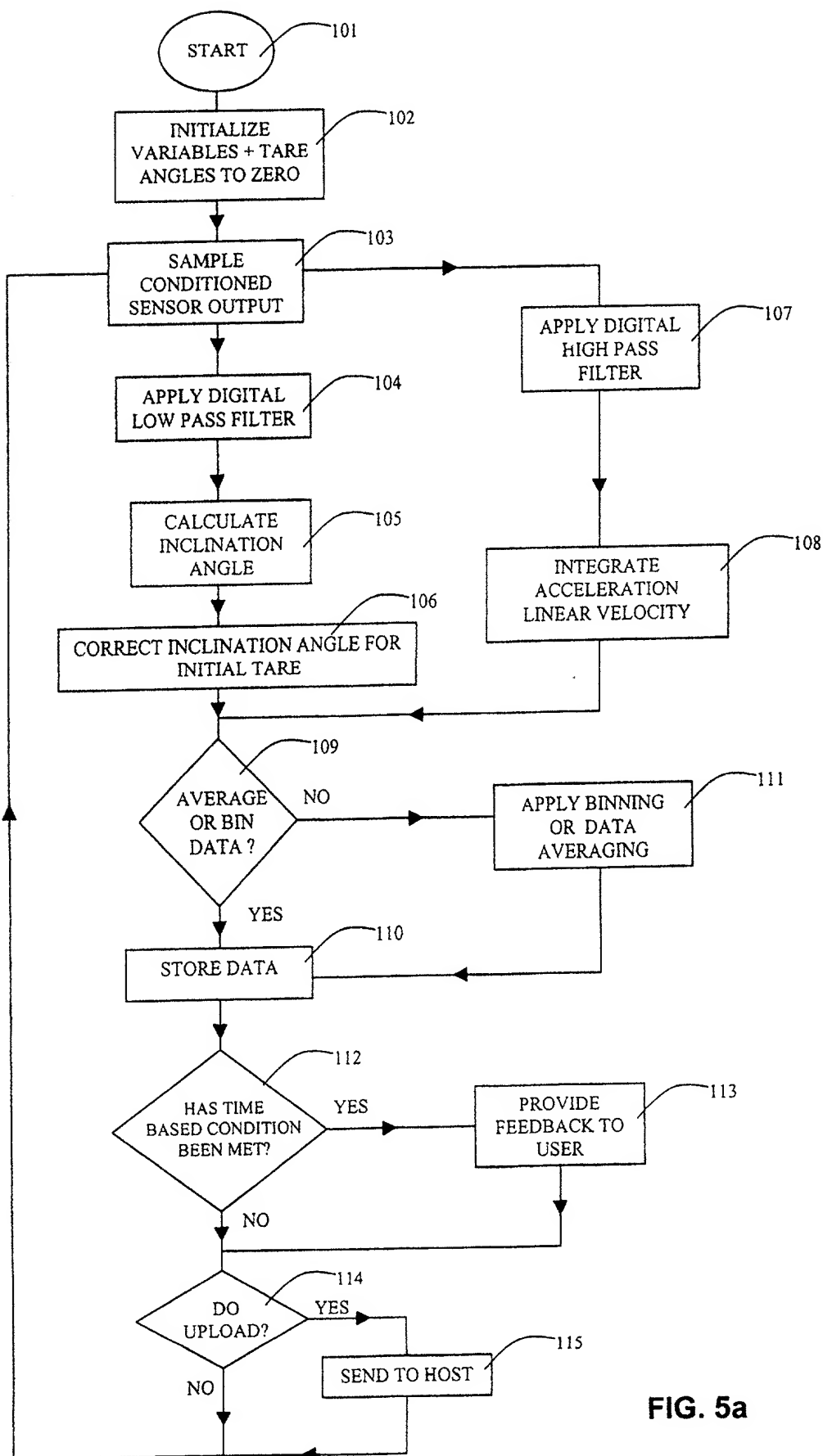


FIG. 5a

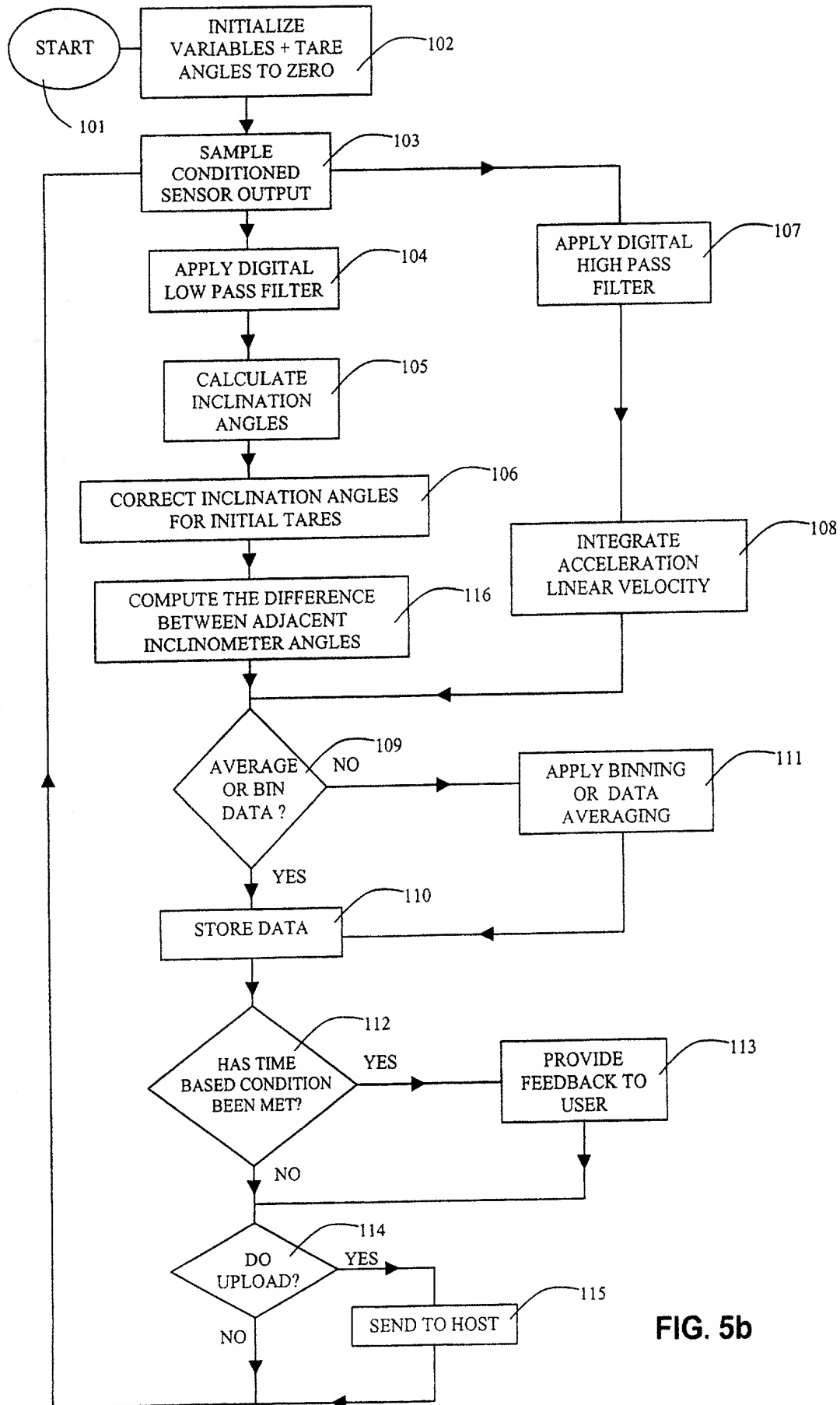
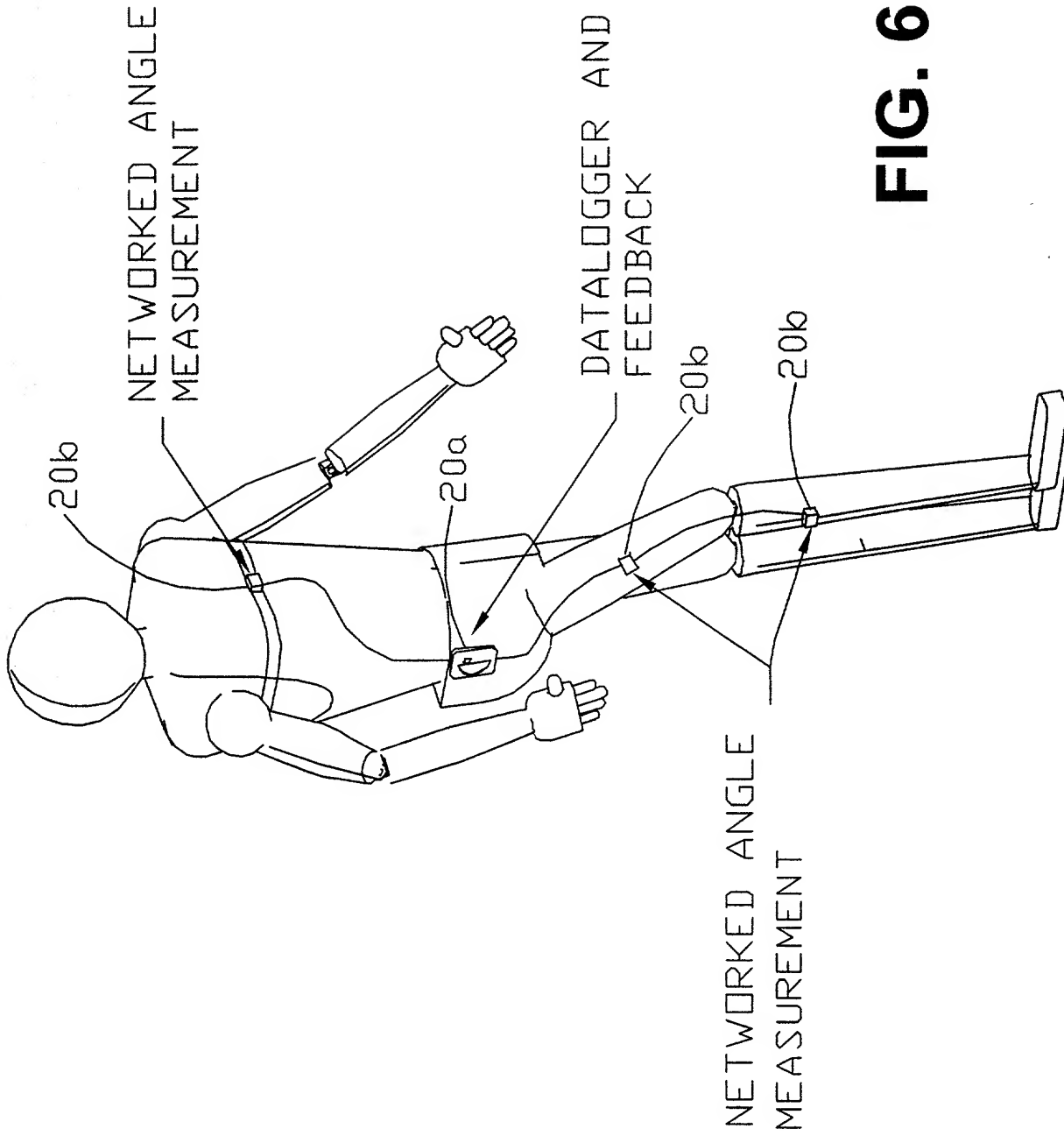
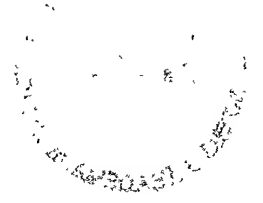
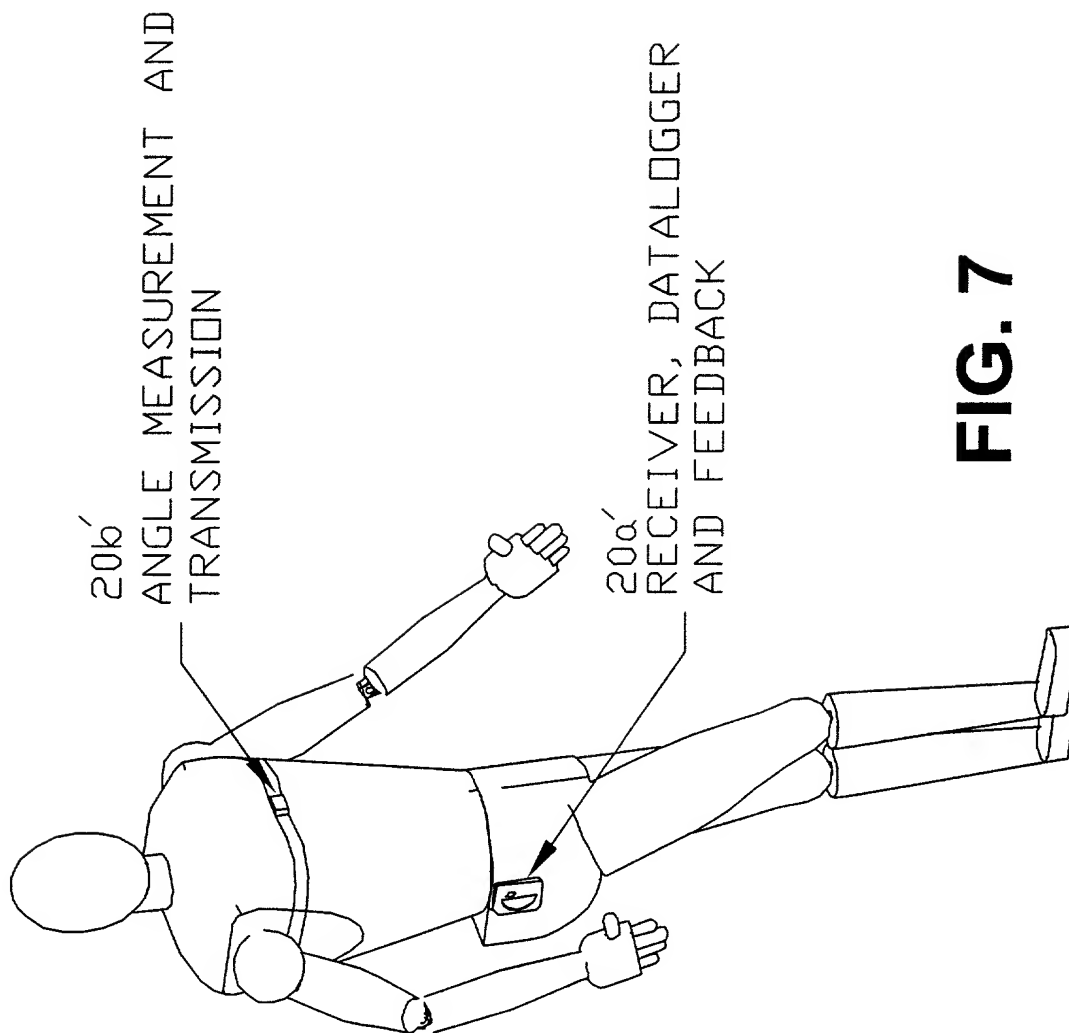


FIG. 5b



**FIG. 6**



**FIG. 7**



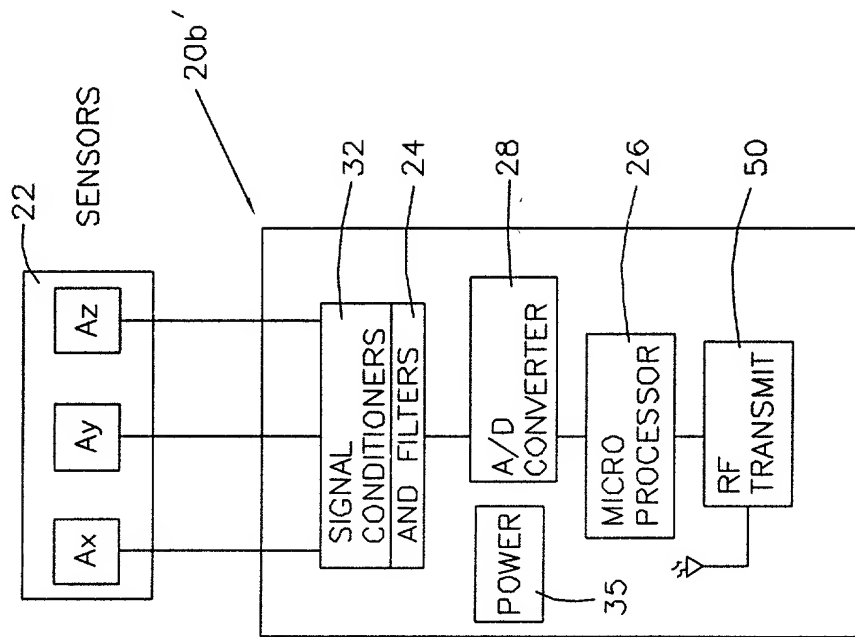
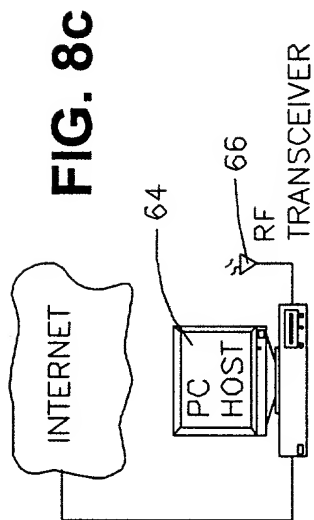


FIG. 8a

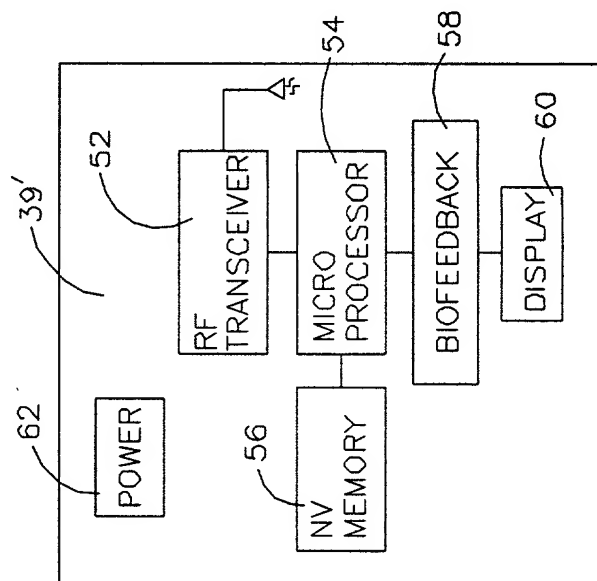
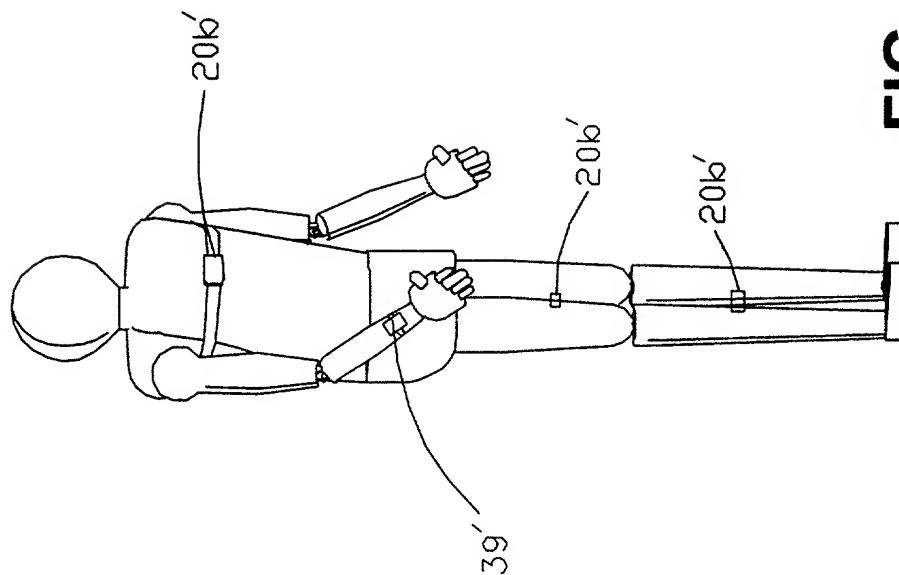


FIG. 8b



**FIG. 9**